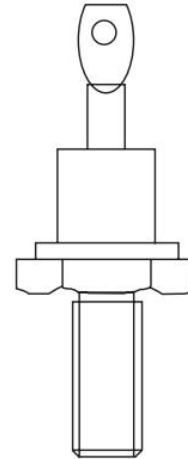


FEATURES

- High surge current capability
- Standard polarity: stud is cathode
- Designed and qualified for industrial and consumer level
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Battery charges
- Converters
- Power supplies
- Machine tool controls



ABSOLUTE MAXIMUM RATINGS

SYMBOL	PARAMETER	CONDITIONS		VALUE	UNIT
V_{RRM}	Repetitive Peak Reverse Voltage			125	V
$I_{F(AV)}$	Average Forward Current	$T_c=100^{\circ}\text{C}$		20	A
I_{FSM}	Surge Forward Current	$t=10\text{ms}$	No voltage reappplied	356	A
		$t=8.3\text{ms}$		373	
		$t=10\text{ms}$	100% V_{RRM} reappplied	300	
		$t=8.3\text{ms}$		315	
T_J	Junction Temperature			-65~175	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range			-65~200	$^{\circ}\text{C}$

THERMAL CHARACTERISTICS

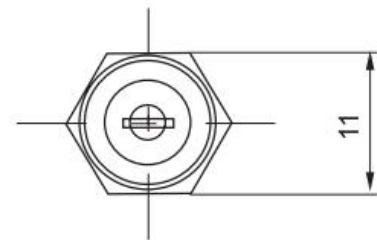
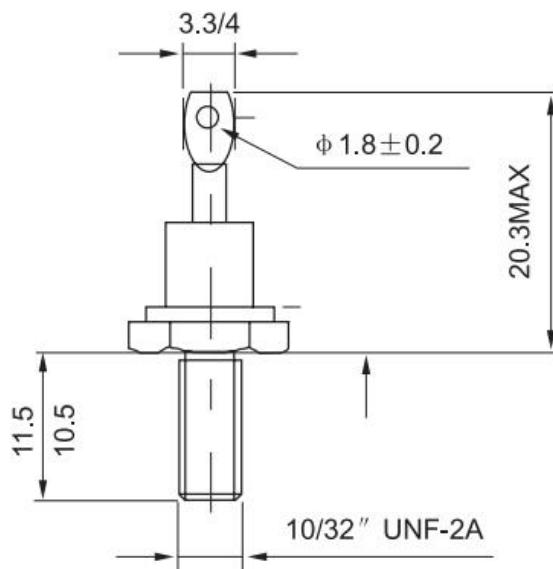
SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case,DC operation	1.5	$^{\circ}C/W$

ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_F	Forward Voltage drop	$I_{F(pk)}= 10A$, $T_J= 25^{\circ}C$, $t_p=400\mu s$	0.89	V

PACKAGE OUTLINE

Dimensions in mm (1mm = 0.0394")



For metric devices:M5×0.8

Case Style DO-4

Notice:

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